

IN THE CLAIMS:

Please amend Claim 1 as follows:

1. (Amended) A system for providing an automatic reply to a first electromagnetic signal comprising:

first means for receiving said first electromagnetic signal;

second means for analyzing said electromagnetic signal to identify a format of the received signal and provide data with respect thereto;

third means responsive to said data for synthesizing a second electromagnetic signal; and

fourth means for automatically transmitting said second electromagnetic signal.

Please amend Claim 29 as follows:

29. (Amended) The invention of Claim 1 wherein said second means includes means for transmitting said second electromagnetic signal during a time interval based on said analysis of said first electromagnetic signal.

Please amend Claim 43 as follows:

43. (Amended) A method for providing an automatic reply to a first electromagnetic signal including the steps of:

receiving said first electromagnetic signal;

analyzing said electromagnetic signal to identify a format of the received signal and provide data with respect thereto;

synthesizing a second electromagnetic signal in response to said data; and

automatically transmitting said second electromagnetic signal.

Please add the following new Claims:

-- 44. The invention of Claim 1 further including means for comparing the format of the received signal to a database and providing an output in response thereto. --

-- 45. A system for providing an automatic reply to a first electromagnetic signal, comprising:

means for receiving a surveillance radar signal;

means for recognizing the format of said signal;

means for decoding data encoded on said radar signal; and

means for synthesizing a modified radar signal in response to the recognized format of said signal. --

-- 46. The invention of Claim 45 further including means for encoding data on said synthesized signal. --

-- 47. The invention of Claim 46 further including means for determining a pattern of incident radio frequency energy of said signal in time and frequency. --

-- 48. The invention of Claim 47 including means responsive to said means for determining a pattern of incident radio frequency energy of said signal in time and frequency for encoding said uplink signal such that it is indistinguishable from energy reflected by surrounding terrain. --